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File: DWPI

Aug 19, 1983

L2: Entry 1 of 1

DERWENT-ACC-NO: 1983-773655

DERWENT-WEEK: 198339

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TITLE: Stable allantoin ointment - contg. carboxy-vinyl polymer and water, and having slightly acidic pH

PATENT-ASSIGNEE: DAIICHI SEIYAKU CO (DAUC)

PRIORITY-DATA: 1982JP-0020449 (February 10, 1982)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|----------|
| JP 58140013 A | August 19, 1983 | N/A | 003 | N/A |
| JP 89058165 B | December 11, 1989 | N/A | 000 | N/A |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|-------------|-------------------|----------------|------------|
| JP58140013A | February 10, 1982 | 1982JP-0020449 | N/A |

INT-CL (IPC): A61K 7/00; A61K 9/08; A61K 31/41; A61K 47/00

ABSTRACTED-PUB-NO: JP58140013A

BASIC-ABSTRACT:

New ointment contains allantoin as main component, carboxyvinyl polymer, and H₂O, and is adjusted to pH 5.5 or under. Allantoin is easily hydrolysed to glyoxylic acid and uric acid with acid, and to allantoic acid with alkali. E.G., allantoin content is reduced to under 90% by long-term storage at over pH 5.5. This ointment is usable and stable without contg. surfactant.

Ointment can contain skin-protecting agent (e.g., vaseline, cetyl alcohol, palmitic acid), humectants (e.g., glycerol, sorbitol), antiseptic (e.g., methyl hydroxybenzoate, benzalkonium chloride, boric acid), perfumes and pigments.

ABSTRACTED-PUB-NO: JP58140013A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg. 0/0

DERWENT-CLASS: A96 B03
CPI-CODES: A04-A03; A04-F04; A12-V01; B04-C03B; B07-D09; B12-M02; B12-M06;

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1983:581503 CAPLUS
 DOCUMENT NUMBER: 99:181503
 TITLE: Stable pharmaceuticals containing allantoin for topical application
 PATENT ASSIGNEE(S): Daiichi Seiyaku Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| JP 58140013 | A2 | 19830819 | JP 1982-20449 | 19820210 |
| JP 01058165 | B4 | 19891211 | | |

- AB Stable pharmaceuticals for topical application contain allantoin (I) [97-59-6], carboxyvinyl polymer [9003-01-4] and H₂O with pH adjusted to <5.5. There was no changes in the color and viscosity and no unpleasant odor in the preps. after prolonged storage. Thus, squalane was dispersed in carboxyvinyl polymer to give a dispersion, and a soln. contg. Et p-benzoate, 1,3-butyleneglycol and I was added to the suspension while stirring. The mixt. was adjusted to pH 4-5 with NaOH. After storage at 40 degree. for 3 mo, 97% of the original activity of the prep. (pH 4) was detected.
- IT 9003-01-4
 RL: BIOL (Biological study)
 (pharmaceuticals contg. allantoin and, for topical application)
- IT 97-59-6
 RL: BIOL (Biological study)
 (pharmaceuticals contg. carboxyvinyl polymer and, for topical application)